

# S7 operation update

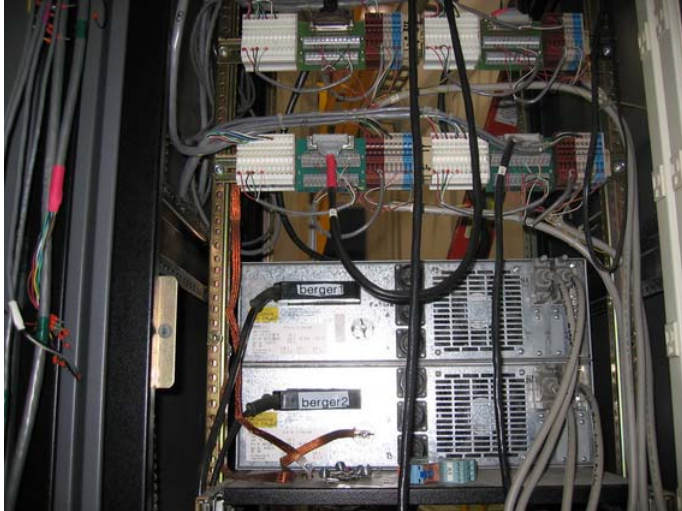
Eric Dufresne, TRR group meeting, October 3, 2006

- DA, HG and technicians from AES completed the move of the L5-20 motor drivers to the roof of 7ID-A. Dohn uncovered some termination problems in one of the connector which had caused problems in early September.
- DA, DW, and Tim Graber from S15 completed the cleaning of the first crystal of our diamond (111) monochromator. The crystal went from black to transparent after cleaning with “Bon ami”...
- DA completed the removal of one of the vacuum rack at the end of our sector, thus consolidating the vacuum and control equipment and adding space and access to the end of the sector.

# Shutdown activities (cont.)

- EL is assembling the laser and x-ray BPM and they will be installed on the beamline this shutdown.
- Work by Mark Erdman (AES) on the pillar post in 7ID-D and E to help the laser stability is going well and should be installed early in the run.
- Tim Mooney has moved the 7ID-D EPICS to 3.14. The crate is working but several bugs have to be sorted out.
- DW installed two new JJ X-ray slits at the entrance of 7ID-C and 7ID-D and they will be tested in the first week of operation.
- **7ID R&D:** EL presented a talk focused on timing and synchronization issues at a joint XSD, AES, ASD Picosecond beamline workgroup chaired by Jin Wang today.

# L5-20 driver move, control rack consolidation



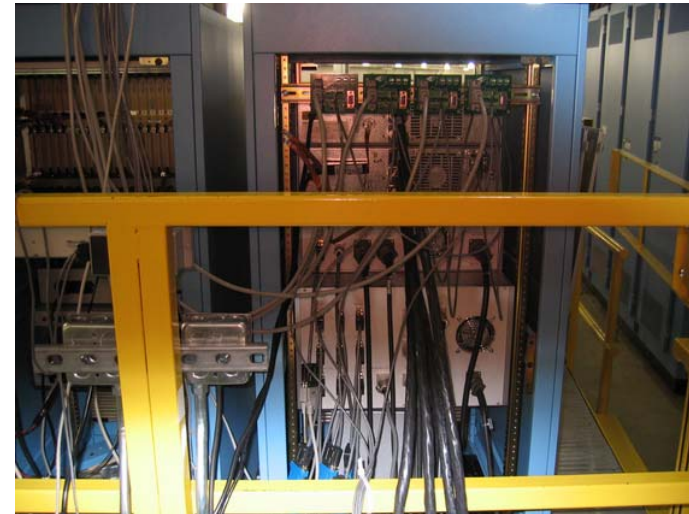
L5-20 driver before move (back view)



Fraction of wires removed



New racks on top of 7ID-A



Back view of new racks on top of 7ID-A

## Shutdown in pictures (cont.)



Control rack consolidation end of sector



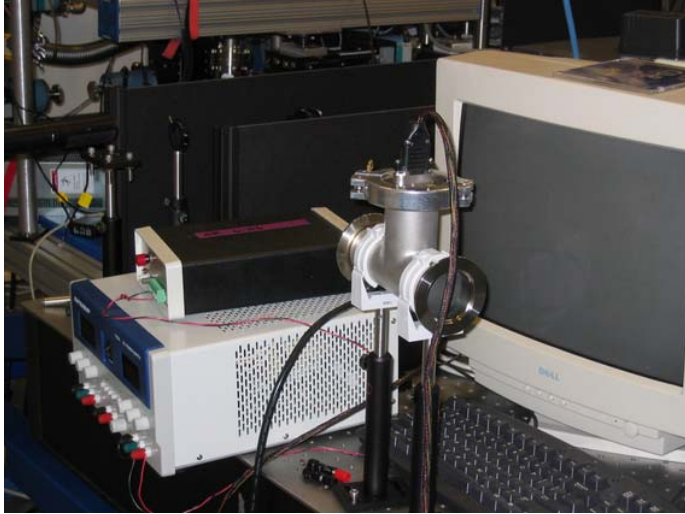
New slit for 7ID-D (on optical posts)  
and 6" flange secured with Unistrut



(Right) New JJ X-ray slit in 7ID-C



## Shutdown in pictures (cont.)



(Top) New electrometer and BPM,  
(Bottom) New EPICS fiber links for BPM



7ID-C new streak camera and microdiffraction set up

